

عنوان مقاله:

Potential Applications of Organic Solar Cells In Nano Electro-Medical Science

محل انتشار:

هشتمین همایش علمی تخصصی انرژی های تجدید پذیر، پاک و کارآمد (سال: 1394)

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خلاصه مقاله:

With the advent of new technologies in different sciences, design and implementation of the systems faced revolutionary changes. Nano technology is one of these significant changes that researchers have paid a great deal of attention for research and development. This article focused on an alternative energy source for Nanostructured electro-medical architectures. Carbon Nanotube is one the most useful Nanostructured materials have been entered in Biological sciences. This structure due to the unique physical and chemical features is capable to use in biological sensors, Molecule transportation, Tissue Scaffolds, Diagnostic methods and signal transfer to cells. The major limitation of Carbon Nanotube is related to its manufacturing but the presented idea of this article can overcome this problem. Using polymer solar cells indirectly have effects on medical treatments like the Cancer so that the energy of solar cells as a main alternative clean energy for producing carbon nanotubes using new design approaches. Polymeric cells have a chemical characteristics similar nanotube which makes it a good structure to use in medical fields. The main advantages of polymer solar cells in comparison of the other methods for producing nanotubes are numerous such as everywhere availability, easy processability, environmental compliance and no need to rare and scarce materials. These key parameters make solar cell an appropriate nominate to use in medical and pharmacy by producing clean and recyclable Nano components and textures

کلمات کلیدی:

Solar cell, Organic, Polymer, Medical, Biological, Electrical arc, Nanotube

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